

In the Abstract:

Please delete the abstract and replace it with the following text.

Disclosed is a process for the removal of sulfur from a gas stream containing sulfur dioxide, hydrogen cyanide and hydrogen sulfide. The process includes a hydrogenation step, a hydrolysis step, an ammonia removal step and a hydrogen sulfide removal step. An aqueous alkaline washing liquid is used in the hydrogen sulfide removal step and with the spent sulfide containing washing liquid being regenerated using an oxidation bioreactor that utilizes sulfide oxidizing bacteria such as autotrophic aerobic cultures of *Thiobacillus* and *Thiomicrospira*.